

1

Confirm Your Receiver Model

If your receiver looks like this...



If your receiver looks like this...



If your receiver looks like one of these...



If your receiver looks like one of these...

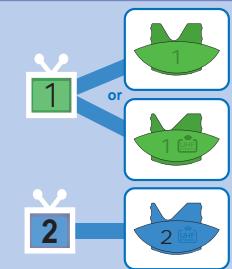
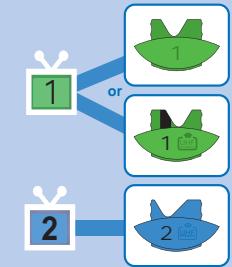


Select the Right Key

Remote keys are included in this replacement remote kit.

Keys have two sides. Look on both sides to find right key for your remote.

Use the key that looks like this



Use the key that looks like this



Use the key that looks like this

2

Install Your Selected Key

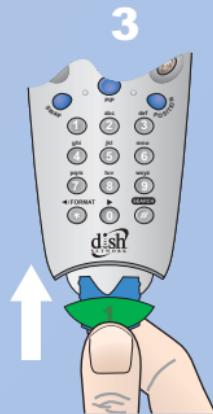
Note: If you will be using the blue TV2 key that comes already installed in your remote, skip this step and proceed with the next step (*Insert the Batteries*).



Pull the remote battery cover off.



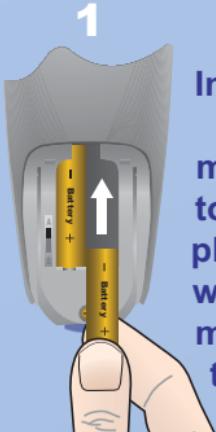
Separate the key from the remote by inserting your thumbnail or coin in the crease. Remove key by grasping at the bottom.



Insert face up the key you selected on the previous page.

3

Insert the Batteries



Insert 4 AAA batteries making sure to match the plus (+) ends with the plus markings on the battery case.



Replace the remote battery cover.

4

Making the Remote Work With Your Receiver

If you installed one of these keys, continue with step 2.



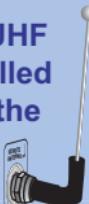
1

If you installed this key, go to page 10.



2

Make sure the UHF antenna is installed on the back of the receiver.



4

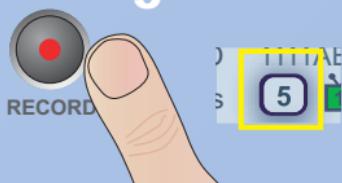


Confirm that you see the System Information screen.

3

Turn your receiver and TV on, and press SYSTEM INFO on the front of the receiver.

5



Press RECORD on your remote. The remote address will probably change on the screen.

6

Confirm that your remote operates your receiver by pressing remote buttons. If your remote has a blue number 2 key, you may need to go to your remote TV2 location to confirm your remote operates your receiver.

If not, go back to step 5.



Program the Remote to Control Your TV

1



Turn your TV on.

2



Press & hold the TV Mode button until all Mode buttons light up.

3



Press POWER.

4



Press the UP ARROW repeatedly until your TV turns off (about 1 press per second).

5



Press POUND.

6

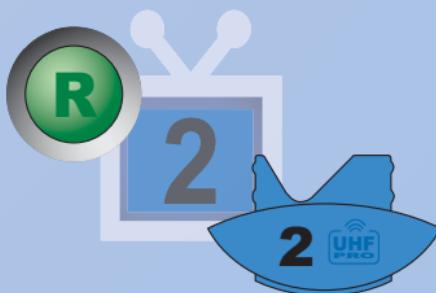


Press the POWER button to turn the TV on and try other buttons to make sure the code works. If you want to try another code, start over from step 1.

Programming the Recover Button for TV2 Operation

For TV2 Remote Controls on
942, 625, & 522 Receivers

Programming your Recover button allows you to easily regain satellite programming if you accidentally change TV channels or inputs.



1
TV

Press & hold the TV Mode button until all Mode buttons light up.

2
*

Press STAR.

3

1	2	3
4	5	6
7	8	9
0		

Enter the channel number you tune your TV to when you watch satellite programming.

4
#

Press POUND.

Use the RECOVER button as described in *If You Lose Your Picture* on the next panel (C-6).

Placing Your Remote in Limited Mode

Limited Mode locks out all the TV mode operations except for TV power, Mute, and Volume. This prevents you from accidentally tuning away from satellite programming.

1



Press & hold the TV Mode button until all Mode buttons light up.

2



Press the PAGE UP button.

3



Press POUND.

To take the remote out of Limited Mode, use the PAGE DOWN button instead of the PAGE UP button in step 2.

If You Lose Your Picture (How to Use the Recover Button)

Use the Recover button to get back to watching satellite programming if you accidentally change channels or inputs on your TV.

1



Press and hold RECOVER until all mode buttons light up.

2



(Your screen may be different)

If you see the System Information screen, proceed to step 4. Otherwise, continue to step 3.

3



Press RECOVER again & wait until the mode lights stop flashing. If you see the System Information screen, go to step 4. If not, repeat this step until you do.

4



Press SELECT.

Remote Operation

Sat Mode

To use the features described in this section, make sure you are in SAT mode by pressing the SAT Mode button.

Note: Some features may not be available depending on your receiver model.



Receiver Power & TV Power

Top button turns the receiver on/off,
bottom button turns the TV on/off
Programming required (see C-4)

Press this button for SAT Mode



Volume & Mute Buttons

Control TV volume
Programming required (see C-4)

Receiver Menu
Access features and settings in your satellite receiver

Themes
Search for programs using Themes

Recall
Go back to last channel viewed

Info
Get info on programs

Digital Video Recorder (DVR) Buttons

Pause live TV and play or record programming

Recover
Get your TV back to showing satellite programming

Picture-In-Picture (PIP) Buttons

Watch two separate programs at once

Format

Format the picture to the desired width to match the program you are viewing

Page Buttons

Page up/down in menus

Program Guide
Display the on-screen guide

Arrows/Select Buttons

Channel up/down, navigate through menus/guides and select a desired option

Browse
See what is on other channels while watching TV

View Satellite Programming

Exit out of any menu/guide and go back to viewing live TV

DISH
Explore dish home Interactive TV features

Number Buttons

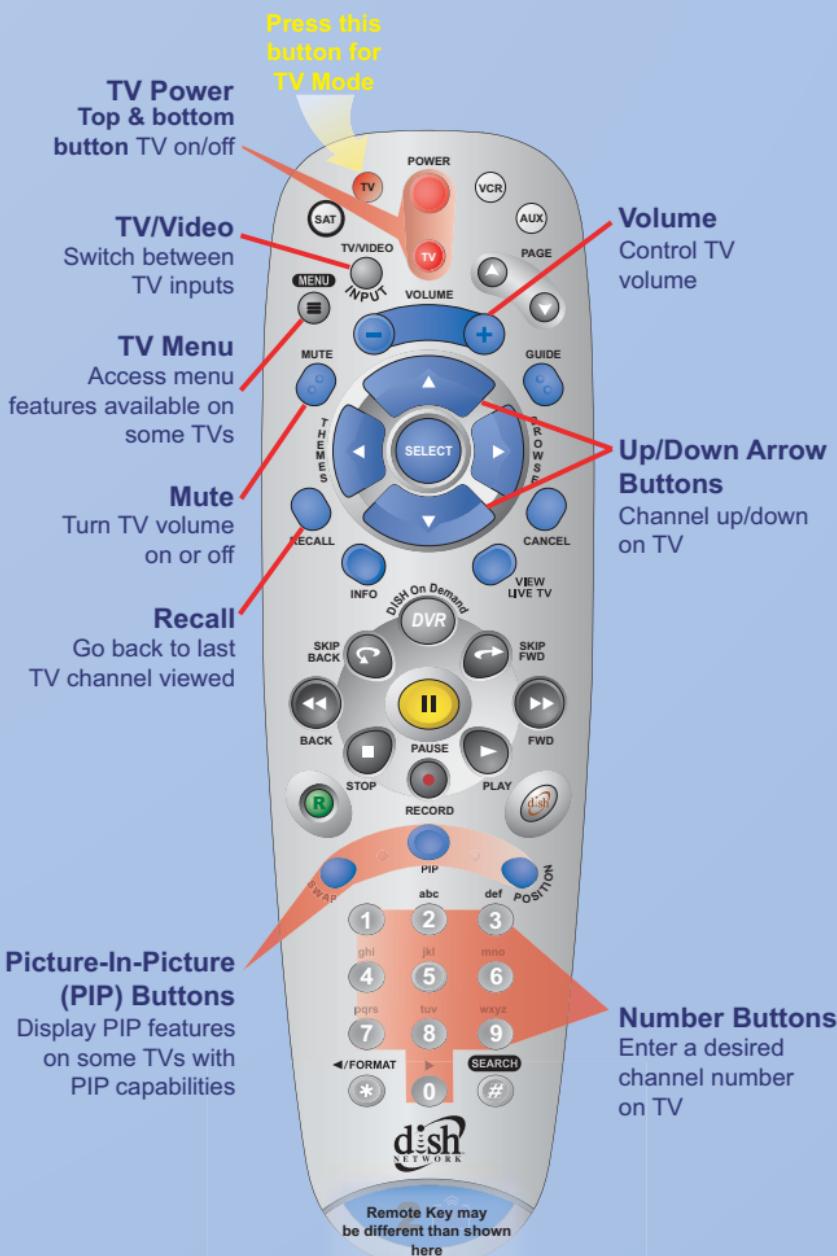
Enter a desired channel number, or navigate through menus

Search
Search for a program

Remote Operation

TV Mode

To use the features described in this section, make sure you are in TV mode by pressing the TV Mode button. Remote programming is required. See C-4 for instructions.



*Note: Remote operation is different on DISH Network TVs.
See your DISH Network TV User's Guide for proper operation.*

Remote Operation

VCR Mode

To use the features described in this section, make sure you are in VCR mode by pressing the VCR Mode button. You can use this mode to operate your DVD player instead of a VCR. Remote programming is required. See page 2 for instructions.



Press this
button for
VCR Mode

VCR/DVD Power & TV Power

Top button turns VCR/DVD player on/off, **bottom button** turns the TV on/off

TV/Video

Switch VCR between its TV & VCR mode



Back
Rewind a videotape or reverse a DVD

Stop
Stop playing or recording a videotape, stop playing a DVD

Up/Down Arrow Buttons

Channel up/down on VCR

Pause

Pause a videotape or DVD

FWD

Forward a videotape or DVD

Play

Play a videotape or DVD

Record

Record on a videotape

Number Buttons

Enter a desired channel number on VCR

Remote Key may
be different than shown
here

Table of Contents

COLOR PAGES...

Quick Setup

Confirm Your Receiver Model and Select the Right Key ..	C-1
Install Your Selected Key	C-2
Insert the Batteries	C-2
Making the Remote Work with Your Receiver	C-3
Program the Remote to Control Your TV	C-4
Programming the Recover Button for TV2 Operation	C-5
Placing Your Remote in Limited Mode	C-6

Operation

If You Lose Your Picture	C-6
SAT Mode	C-7
TV Mode	C-8
VCR Mode	C-9

IN THIS GUIDE...

Remote Control Overview	1
Using the Guide	1
Remote Control Modes	1
How the Remote Communicates	2
Programming Other Equipment	2
Combination Equipment (for example, TV/VCR)	2
Limited Mode	3
Programming Using Equipment Code Tables	3
Scanning for Equipment Codes	4
Switching Between TV and Amplifier	
Volume Control	6
Programming the Remote to Control a	
Second Receiver in AUX Mode	7
Reading Out the Remote Control Codes.....	7
Avoiding Remote Conflicts	8
Changing the Remote and Receiver Address	8
Changing the Remote Control's Frequency Using the	
A/B Switch (DISH Player-DVR 942 Only)	9
Setting Up a TV1 UHF Pro Remote for the DISH	
Player-DVR 522 and 625 Only	10
Equipment Codes	12
Troubleshooting	18
Limited Warranty	20
Your Remote Control Codes	23

REMOTE CONTROL OVERVIEW

Use this full-function remote to control a variety of DISH Network receivers, such as Standard Definition, High Definition, and Digital Video Recorder receivers. Also, you can program the remote to control most of the popular brands of audio/video equipment like a TV, VCR, DVD player, or a second DISH Network satellite receiver. See *Programming for Other Equipment* on page 2.

Note: This remote control may have features not used by your receiver.

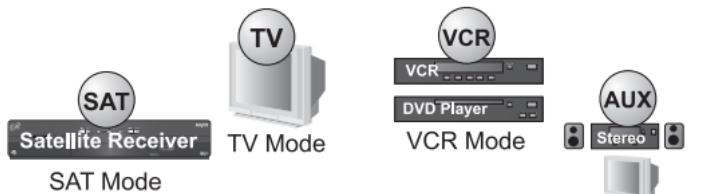
USING THE GUIDE

The guide makes it easy to set up and use your remote control. By now you've noticed that the cover pulls out and contains information on quick set up and remote operation. Start from the front cover to get your remote control working with your satellite receiver. The back cover shows you how to use your remote and contains more setup options.

The rest of the guide contains in-depth information to help you get the most from your remote control, including controlling other equipment like TVs, VCRs, and DVD players.

REMOTE CONTROL MODES

Use the remote control's mode buttons to set the remote to the right mode for the equipment. Be sure to program the remote to control other equipment as described on page 2.



Great Idea: Whenever you finish using other equipment (TV, VCR, DVD, etc.) be sure to put the remote back in SAT mode.

To change the mode, press the button for the equipment you want to control. The mode button lights for two seconds to show you've set the remote to that mode.

If you program the remote to control equipment in AUX mode, refer to the following for remote control operation instructions:

- TVs, page C-7.
- VCRs and DVD players, page C-8.
- DISH Network satellite receivers, page C-9.
- Stereo equipment use only these buttons: **SELECT** (change inputs), **MUTE**, **VOLUME**, and **POWER**.

HOW THE REMOTE COMMUNICATES

Depending on how the remote is set up, the remote control may use UHF radio signals, IR light signals, or both to control the receiver. However, only IR signals are used to control other equipment.

- IR signals travel only short distances (up to 40 feet), and cannot go through walls or other solid objects. You must point the remote control right at the equipment you want to control, with no objects to block the signal path.
- UHF signals travel long distances and can go through walls and other solid objects. Because these signals travel so far, the receiver may respond to signals from other nearby remote controls. To handle this problem, you may want to change the remote and receiver addresses (see page 8).
- If you're set up to use UHF, make sure that the UHF remote antenna is attached to the receiver's back panel UHF Remote Antenna input so it can receive the UHF remote signals.

PROGRAMMING FOR OTHER EQUIPMENT

Page C-4 shows you how to quickly program the remote to control a TV. This section uses a different method to program the remote to control a TV or other equipment (such as a VCR, DVD player, tuner, amplifier, or a second TV). You can program the remote by either following the instructions in *Programming Using Equipment Code Tables* on page 3, or the *Scanning for Equipment Codes* procedure described on page 4.

COMBINATION EQUIPMENT (FOR EXAMPLE, TV/VCR)

When programming the remote to control combination equipment, such as a TV/VCR or a TV/DVD, program the remote control in one mode, and then repeat the procedure in the other mode. For example, to program the remote to control a TV/VCR using code 748, follow the instructions to program the remote to control the TV using code 748, and then repeat the instructions for the VCR using the same code. Put the remote in TV mode to use the TV, and VCR mode to use the VCR.

LIMITED MODE

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote to control your TV in Limited Mode, you will only be able to use the **POWER**, **MUTE**, and **VOLUME** buttons to control your TV. Also, when you use the remote to control your VCR in Limited Mode, you will only be able to use the **POWER** and **VCR** function buttons. The section *Programming Using the Equipment Code Tables* has a step that tells the remote control to go into Limited Mode. Also, a quick way to put the remote in Limited Mode is on page C-6.

Note: Limited Mode can not be used with audio amplifiers.

PROGRAMMING USING EQUIPMENT CODE TABLES

You can set up the remote to control other equipment using the equipment codes listed on page 12 and the modes as shown on page 2.

Instructions	Additional Information
1 Turn the equipment on.	Use the equipment's front panel buttons or its remote control.
2 Find the brand name of the equipment in the tables starting on page 12.	If the brand isn't listed, see <i>Scanning for Equipment Codes</i> on page 4.
3 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, TV will flash.
4 <i>For AUX mode only.</i> Press 0 for a second TV , or 1 for a second VCR , or 2 for a tuner , or amplifier .	This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.
5 Enter one of the three-digit equipment codes from the table using the number buttons.	The three-digit equipment code should be for the brand name of your equipment that you found in step 2.

Instructions	Additional Information
6 If you want to program Limited Mode, press 1. If not, skip to step 7.	See <i>Limited Mode</i> on page 3 for more information.
7 Press POUND (#).	If you entered the code correctly, the mode button flashes three times.
8 Press POWER to turn off the equipment. If the equipment does not turn off, go to step 10.	If the code works, the equipment should turn off.
9 Turn the equipment back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.	Sometimes POWER works when other buttons don't.
10 If the code doesn't work, redo steps 3 through 9 with another equipment code from the tables.	Try every code listed for your brand until one works for your equipment.
11 If you can't find a code that works try, <i>Scanning for Equipment Codes</i> that follows.	

SCANNING FOR EQUIPMENT CODES

Instructions	Additional Information
1 Turn the equipment on.	Use the equipment's front panel buttons or its remote control.
2 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.

Instructions	Additional Information
3 For AUX mode only . Press 0 for a second TV, or 1 for a second VCR, or 2 for a tuner, or amplifier. Then press the STAR (*) button.	This step is for programming which kind of equipment that should be programmed in AUX mode . If you're not programming in AUX mode , skip to step 4.
4 Press POWER .	This puts your remote in the scan mode.
5 Press the UP or DOWN ARROW repeatedly until the equipment turns off.	As you press the UP or DOWN ARROW , the remote tries each code in the memory to see if it can turn off your equipment. When the equipment turns off, you have found a code that might work.
Note: The mode button for the equipment will flash rapidly eight times when you've scanned all the codes for that equipment.	6 Press POUND (#) .
7 Turn the equipment back on and try some other buttons to make sure they work.	The mode button flashes three times if you have entered the code correctly. This stores the code you found.
8 If necessary, repeat this procedure until you've tried all the codes.	Press POWER to turn the equipment back on. Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't.
	You may need to repeat the scan to find the best code for your equipment.

SWITCHING BETWEEN TV AND AMPLIFIER VOLUME CONTROL

When you set up the remote to control a TV, the MUTE and VOLUME buttons control the TV volume, even if your remote control is in SAT mode. However, if you want to use the AUX mode to control a tuner or amplifier that has a volume setting, you can set up the remote to control the equipment's volume instead of the TV volume while your remote control is in SAT mode. Follow the instructions in the left column. To change back to controlling the TV volume in SAT mode, follow the instructions in the right column.

Control Amplifier Volume

- 1 Press and hold the AUX mode button for three seconds, and then let go of it. The AUX mode button will blink.
- 2 Press the POUND (#) button.
- 3 Press the plus (+) side of the VOLUME button.
- 4 Press the 0 number button.
- 5 Press the POUND (#) button.
The AUX mode button flashes three times.
- 6 Press the SAT mode button.
- 7 Press the plus (+) and minus (-) sides of the VOLUME button.
- 8 The equipment's volume changes and the AUX mode button lights instead of the TV mode button.

Control TV Volume

- 1 Press and hold the TV mode button for three seconds, and then let go of it. The TV mode button will blink.
- 2 Press the POUND (#) button.
- 3 Press the plus (+) side of the VOLUME button.
- 4 Press the 0 number button.
- 5 Press the POUND (#) button.
The TV mode button flashes three times.
- 6 Press the SAT mode button.
- 7 Press the plus (+) and minus (-) sides of the VOLUME button.
- 8 The TV's volume changes and the TV mode button lights instead of the AUX mode button

PROGRAMMING THE REMOTE TO CONTROL A SECOND RECEIVER IN AUX MODE

If you have another DISH Network satellite receiver installed, you can use this remote in **AUX** mode to control it along with your new receiver. When you program the remote to control the other receiver, the remote will send out IR and UHF (not UHF Pro) signals to the receiver. You can program the remote to control any other DISH Network satellite receiver, except for following:

- TV2 on DISH 322, DISH Player-DVR models 522, 625, and 942
- DishPlayer 7100/7200

1. Turn on the other receiver and display the **System Info** screen (see the receiver user's guide for information on how to display the screen).

Write down the address shown: _____

2. Press and hold the **AUX** button until all the other mode buttons light up, and then let go of the button. The **AUX** button flashes.
3. Press the **3** button.
4. Use the **NUMBER PAD** to enter the address you wrote in step 1.
5. Press **POUND (#)**. The **AUX** button blinks three times.
6. Press **RECORD** to make sure the address and the remote matches the address on the receiver.

READING OUT THE REMOTE CONTROL CODES

These instructions explain how to check the remote control code you put in the remote control when you set it up. Be sure to write them in the spaces provided below.

Instructions	Additional Information
1 Press and hold the mode button for the equipment you want the remote to control. When all the other mode buttons light up, let go of the mode button - that mode button should now be flashing.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.

Instructions	Additional Information
<p>2 Press the POUND (#) button <i>twice</i>. The mode button flashes the number for each digit of the equipment code, with a pause between the groups of flashes. A quick flash is for zero.</p>	<p>For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.</p>

For AUX mode, the first group of flashes tells you what the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR or DVD player; and two flashes is for a tuner or amplifier.	For example, if the TV code is 570, the AUX mode button flashes once quickly, pauses, flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
---	--

AVOIDING REMOTE CONFLICTS

Because your remote control uses UHF, you may experience interference from other nearby remotes. The instructions in this section describe how to avoid remote conflicts.

CHANGING THE REMOTE AND RECEIVER ADDRESS

One quick way to avoid remote conflicts is by changing the address on your remote and receiver. If you notice that your receiver is changing channels or opening menus but you're not using the remote control, a quick change of address should fix the problem. Use these instructions to change the remote control and receiver address.

1. Press SYSTEM INFO on the receiver's front panel. The **System Information** screen displays and shows the **Remote Address**.

Write down the address shown: _____

2. Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then let go of SAT.

3. Use the **NUMBER PAD** to enter any number between 1 and 16, but not the one you wrote in step 1.
4. Press **POUND (#)**. If you entered the address correctly, SAT will flash three times.

Write down the number you entered in *Your Remote Control Codes* on page 24.

5. Press **RECORD**. Make sure the **Remote Address** you see on the **System Information** screen is the same as the one you entered in step 3. If it isn't, the remote cannot control the receiver.
6. Press **SELECT** to close the **System Information** screen.

CHANGING THE UHF FREQUENCY USING THE A/B SWITCH (DISH PLAYER-DVR 942 ONLY)



All receiver models except the DISH Player-DVR 942 must use switch position A or else your remote control will not work.

Your remote has a switch to change the UHF frequency that your remote control uses. It comes preset to the A position but you can change the setting to the B position to lessen the likelihood of any other UHF remote interfering with yours. This feature is available only with the DISH Player-DVR 942.

1. Remove the battery cover from the remote control.
2. Use a small screw driver or a paper clip to carefully change the setting.
3. Put the battery cover back on the remote control.
4. Use the **SYS INFO** button on the front panel to open the **System Information** screen.
5. Press **RECORD** on the remote control.
6. Make sure the **System Information** screen shows the correct band information:
 - Switch position A - **IR/UHF Pro Band A**
 - Switch Position B - **IR/UHF Pro Band B**



SETTING UP A TV1 UHF PRO REMOTE FOR THE DISH PLAYER-DVR 522 AND 625 ONLY

Use these special instructions only if you are going to use the green 1 UHF Pro key to control the TV1 side of your DISH Player-DVR 522 or 625.

If you have a DISH Player-DVR 522 or 625:



and want to use UHF Pro with TV1, use this key:



When you are finished setting up the remote control, you'll be able to operate the TV1 side of your DISH Player-DVR 522 or 625 from long distances.

1. Make sure the key is installed as described on pages C-1 and C-2.
2. Make sure the UHF Antenna is attached to the back of the receiver.
3. Using the receiver's front panel buttons, press MENU. Select the following onscreen items in this sequence:
 - a. **System Setup.**
 - b. **Installation.**
 - c. **TV1 UHF Pro Setup.**
4. Select **Enable** from the **TV1 UHF Pro Setup** screen.
5. Select **System Info** to open the **System Information** screen.



6. Move the highlight to the address for the  **Remote Address** as shown below. This is important - if you do not move the highlight, your remote will change the receiver's  **Remote Address** and cause your Remote Control 1 to control the TV2 side of your receiver.



Note: Highlight the  **Remote Address** (the shaded area in the graphic above).

7. Press the **RECORD** button on the green TV1 remote control you are setting up. If you get a warning that tells you to pick another address, continue on to the next step. If no warning pops up, go to the step 12 of this procedure.
 8. On the remote control, press and hold the **SAT** mode button about three seconds, until all the mode buttons light up, and then let go of the **SAT** button. The **SAT** mode button will blink.
 9. Use the number buttons to enter any number from 1 to 16, except for the address shown for .
- Write down the number you entered: _____
10. Press the **POUND (#)** button. If you entered the address correctly, the **SAT** mode button will flash three times.
 11. Make sure the **System Information** screen shows  **UHF** and that this address matches the number you entered in step 9.
 12. Select **Done** to close the **System Information** screen. If nothing happens, press **RECORD**, and then select **Done**.

EQUIPMENT CODES

These tables contain the manufacturer codes for programming the remote to control your TV, a VCR, DVD player, or audio amplifier. Every attempt has been made to include all codes. If your equipment brand is not listed or if the codes do not work, the remote may not control your equipment. In some cases codes may operate some but not all buttons shown in this guide.

TV CODES

Programming in AUX mode: In most cases use these codes to program in TV mode; however, if programming in AUX mode, press 0 before entering the TV code.

A Mark	670	Electrohome	526 573 651 652 654
Action	662		656 659 660 665 670 709 728
Admiral	521 605 668 669 675	Emerson	526 534 536 541 573 590
Aiko	727		627 636 642 648 652 654 655 657
Aiwa	751		658 659 660 661 662 665 666 667
Akai	570 573 659 660		669 670 677 679 682 692 696 699
A-Mark	620		720
Amtron	657	Envision	506 573 652 654 660 664
Anam National	509 541 620 651 657	Fisher	542 590 683
	661 663 698	Fujitsu	534 682 694
AOC	505 506 519 520 573 620 627	Funai	534 541 657 661 662 677 682
	652 653 654 659 664 665 670 672		694
Apex	743 744 745 757	GE	508 509 543 544 630 645 646 650
Archer	620		651 652 654 659 661 663 665 667
Audiovox	620 657 662 672		668 670 673 676 690 691 698 701
Bell & Howell	590 669 675		715 716 725 728 742 763
Broksonic	562 659 661 748 752	Goldstar	505 523 526 545 546 566
Capehart	519 627		573 652 653 654 655 656 658 659
Citizen	506 516 523 524 525 526 590		660 664 665 670 671 693 730 747
	652 654 657 658 680 727	Gradiente	660 671
Classic	659	Granada	627 670 671
Colortyme	573 627 652 654 660 667	Grundig	670 673
	668 671 674 679	Hallmark	627 652 654 659
Contec/Cony	541 655 657 661 662	Harmon/Kardon	561 659
	726	Hinari	534
Craig	536 541 657 661 662 666 667	Hisense	759
	694	Hitachi	523 526 548 549 553 554 555
Crown	526 536 657 666 670		585 597 626 636 638 643 648 652
Curtis Mathes	506 516 526 573 590		654 655 665 668 669 670 672 673
	641 645 650 652 654 658 659 660		702 718 726
	664 665 667 668 670 674 680 703	Infinity	566 671
	708	JBL	566 671
Daewoo	505 524 526 529 530 531	JC Penney	505 506 516 525 526 543
	573 652 653 654 658 659 663 664		546 631 645 646 650 652 653 654
	665 670 672 674 684 698 719 727		658 659 664 667 668 670 673 676
Daytron	526 627 652 654 658 665		680 690 691 701 725 726 728 730
	670 672	Jensen	556 573 652 654 660
Dell	772 773 774	JVC	508 557 559 642 649 655 667
Dimensia	645 650		673 676 726 735 736 737
DISH Network	742	Kawasho	548 561 573 652 654 664
Dixi	566 620	Kenwood	506 573 652 654 656 659
Dumont	501 627 652		660 664 679
Echostar	722		

TV CODES (CONTINUED)

- Kloss Novabeam** 657 663 698 723
724
- Konka** 753
- KTV** 526 541 573 657 658 661 662
664 665 670 696
- Lloyds** 627 679
- Loewe** 566
- Logik** 675
- Luxman** 523 652 654
- LXI** 563 566 590 595 617 631 635 645
646 650 654 659 668 683 691 701
725
- Magnasonic** 573 659 660 669 672
677
- Magnavox** 506 520 525 536 566 567
568 573 610 652 654 656 659 660
664 665 666 669 671 673 674 677
723 724 729 762
- Majestic** 675
- Marantz** 506 566 573 652 654 660
664 665 671
- Megatron** 627 654
- Memorex** 590 627 653 654 659 675
720
- MGA** 504 505 506 542 571 573 627
652 653 654 656 660 728
- Mitsui** 769
- Mitsubishi** 504 505 542 570 571 572
573 597 623 627 652 653 654 656
659 660 664 665 670 671 705 728
- Montgomery Ward** 675
- Motorola** 521 605 651
- MTC** 505 506 516 523 573 627 652
653 654 659 664 667 672 680
- Multitech** 657
- NAD** 502 617 627 631 635 637 654
- National** 509
- NEC** 505 506 507 517 523 573 627
651 652 653 654 660 664 665 679
731 732
- Nikkai** 612
- Nikko** 654 672 727
- Onwa** 541 657 661
- Optimus** 637
- Optonica** 521 605 607
- Orion** 694
- Osaki** 612
- Panasonic** 508 509 510 512 566 644
651 662 663 668 672 673 676 685
689 698 700 716 734 747 761 765
- Philco** 505 506 525 536 568 573 610
651 652 653 654 655 656 659 660
664 665 666 669 671 672 674 677
723 724 729
- Philips** 525 566 651 652 655 656 671
690 723 724 729 770
- Pioneer** 502 548 576 636 637 648
652 654 663 665 708
- Portland** 505 526 573 652 654 658
659 664 665 670 727
- Price Club** 680
- Prism** 676
- Proscan** 645 646 650 668 691 725
742 763
- Proton** 513 519 526 536 585 627 652
654 655 659 660 665 666 668 670
- Quasar** 508 509 651 663 673 676 698
700 747
- Radio Shack** 526 541 607 612 645
661 662 663 668 670 698
- Radio Shack/Realistic** 590 607 650
652 654 655 657 658 683 730
- RCA** 503 505 548 630 633 634 636
641 645 646 648 650 651 652 653
654 656 661 663 665 667 668 670
691 698 701 708 715 716 725 742
749 763
- Realistic** 590 645
- Runco** 501
- Sampo** 506 519 652 654 658 663 664
665 698 730 746
- Samsung** 505 506 516 523 526 566
573 612 627 647 652 653 654 655
656 658 659 664 665 667 669 670
679 680 704 717 730 738 755
- Sansui** 754
- Sanyo** 542 590 652 683
- SBR** 566
- Schneider** 566
- Scott** 526 534 541 600 652 654 655
657 661 662 665 670 677 682 696
701
- Sears** 523 534 542 563 590 595 601
604 617 627 631 635 645 646 650
652 654 656 659 661 668 670 682
683 688 691 703 725 726
- Sharp** 521 526 585 605 607 628 629
652 654 655 658 669 670 674 679
739 740 741
- Signature** 675
- Solavox** 612
- Sony** 500 578 640 670 690 758
- Soundesign** 525 536 541 627 652
654 657 659 661 665 666 682
- Starlite** 657
- Supra** 523
- Sylvania** 506 525 536 566 568 569
573 600 610 652 654 656 659 660
664 665 666 671 672 674 677 723
724 729 733 756 764
- Symphonic** 632 657 662 677 692 694
- Tandy** 521 605
- Tatung** 509 651 663 698

TV CODES (CONTINUED)

Technics 508 673 676
Techwood 523 573 652 654 660 676
Teknika 504 505 512 516 523 524
 525 526 534 536 541 573 644 652
 653 654 655 657 658 661 662 664
 665 666 670 672 675 680 682 685
 726 727
Telefunken 679
Toshiba 516 590 617 631 635 667
 680 683 688 750 771
Totevision 526 658 668
Ultra 672
Universal 543 690
Vector Research 506
Video Concepts 570 661

Viewsonic 760
Wards 536 573 607 645 650 652 653
 654 656 659 664 665 666 667 668
 669 674 675 677 682 690 715 723
 724 729
White Westinghouse 659 664 670
 672 674
Yamaha 505 506 573 652 653 654
 656 664 666 672 679
Zenith 501 520 639 652 672 675 693
 747

VCR CODES

Programming in AUX mode: In most cases use these codes to program in VCR mode; however, if programming in AUX mode, press 1 before entering the VCR code.

Aiwa 588 622 623
Akai 513 514 515 516 517 518 520
 568 682
Alba 546
Amstrad 588
ASA 556
Audiovox 676
Bell & Howell 581
Broksonic 559 748
Bush 589
Calix 676
Canon 554 678 679
Capehart 546
CCE 681
Citizen 534 591 592 594 675 676 677
Colortyme 592
Craig 591 608 675 676 681 685
CurtisMathes 554 592 594 605 607
 675 677 678 679 683
Daewoo 506 534 546 547 559 588
Daytron 546
Denon 686
Dimensia 607
Dumont 549
Electrohome 512 676
Emerson 505 506 508 509 511 512
 534 559 568 588 590 618 676 678
Finlandia 549
Finlux 549 556 588
Fisher 548 549 581 584 588 608 610
Fuji 678
Funai 588
Garrard 588
GE 550 551 552 554 572 591 605 607
 675 678 679
GoVideo 557 558 620 685
Goldstar 592 594 676 747
Goodmans 585 589
Gradiente 588
Granada 549 581
Grundig 556
Harmon/Kardon 568 592
Harwood 681
Hinari 589
Hitachi 536 538 539 540 588 595 597
 680 682 686
ITT 518
JCPenney 554 581 591 592 594 595
 600 674 675 676 678 679 680 681
 685 686
Jensen 595 680 682
JVC 561 562 563 581 592 594 600
 674 682 686
Kenwood 562 581 592 594 600 674
 677 682 683
KLH 681
Kodak 676 678
Lloyds 683
Logik 589 681 685
Luxor 518
LXI 676
Magnasonic 685
Magnavox 527 533 554 556 678 679
 685

VCR CODES (CONT)

Marantz 554 556 581 585 592 594
600 602 674 677 678 683
Matsushita 678
Memorex 507 533 549 554 566 581
585 588 608 675 676 678 686
MGA 512 567 568
Minolta 595 680 686
Mitsubishi 512 562 567 568 570 571
595 680
Motorola 678
MTC 544 588 675 685
Multitech 579 588 675 677 681
NAD 573
NEC 562 581 592 594 600 602 674
677 682 683
Nikko 676
Noblex 675
Olympus 678
Optimus 676
Optonica 585
Orion 506
Panasonic 523 554 598 614 628 633
678 679 685 747
Pentax 592 595 677 680 683 686
Pentex Research 594
Perdio 588
Philco 554 678 679 686
Philips 554 556 585 678
Pioneer 562 573 574 575 576 600
674 680
Portland 546 677
Proscan 605 607
Proton 685
Quasar 554 678 679 747
RadioShack 512 607 608 610
RadioShack/Realistic 581 584 588
608 675 676 678 679
Radix 676
RCA 518 525 527 528 591 595 605
607 615 631 649 675 678 680 686
Realistic 534 549 554 581 584 585
588 608 675 678 679
Ricoh 502
Runco 533
Saisho 506
Salora 567 581
Samsung 515 517 534 579 591 675
755
Sansui 544 562 600 674 682 685
Sanyo 549 581 582 583 608 675
SBR 556
Schneider 589
Scott 508 534 559 590
Sears 548 549 581 584 595 608 610
676 678 680 683 686
Sentra 546
Sharp 512 585 607 625
Shintom 589 595 681 685
Singer 678 681 685
Sony 500 501 502 504
STS 678 768
Sylvania 554 556 567 588 678 679
756
Symphonic 588 594 683
Tandy 581 588
Tashiko 588 676
Tatung 594 682
Teac 588 594 682
Technics 554 633 678
Teknika 554 588 676 678
Toshiba 534 535 567 584 590 680
Totlevision 591 675 676
Unitech 675
VectorResearch 534 592 600 674
677 683
Video Concepts 534 568 592 600
674 677 683
Wards 534 588 595 608 675 676 678
680 681
XR-1000 588 678 681
Yamaha 581 592 594 600 674 682
683
Zenith 500 501 533 747

TUNER/AMPLIFIER CODES

Programming in AUX mode: Press 2 before entering the tuner/amplifier code.

Aiwa	636 641 656 687 718 720 724	NEC	716 739
	725 726	Onkyo	642 660 662 678
Bose	761	Optimus	648 664 734 744 749
Carver	653	Panasonic	643 644 652 742 746
Citizen	709	Pioneer	658 667 668 679 702 734
Curtis Mathes	734	Proton	654 705
Denon	647 674 757 758 759 760 762	Quasar	652 742 746
Fisher	653 741	Radio Shack	744
GE	711	RCA	635 638 704 727
Goldstar	677 690	Sansui	753
Harmon/Kardon	640 672 751	Sanyo	741
Hitachi	717 754	Sharp	712 713 714 715 749
JBL	640	Sherwood	646 670 736 738 744
JVC	637 683 703 725	Sony	639 645 650 687 728 729 730
Kenwood	649 676 691 726 728 745	Soundmatters	763
Luxman	752	Teac	684 737
Magnavox	654 705 740	Technics	643 644 652 742 746
Marantz	651 740 742 743 764	Toshiba	710
NAD	739	Yamaha	663 730 731 732 733 745
Nakamichi	671 748 750		747

DVD PLAYER CODES

Programming in AUX mode: In most cases use these codes to program in VCR mode; however, if programming in AUX mode, press 1 before entering the VCR code.

Aiwa	634 694 751	Norcent	712
Alpine	653	Onkyo	713
Apex	654 655 743 744 757	Oritron	723
Bose	758	Panasonic	639 662 663 714 715 716
Broksonic	656 752		717 734 765
Clarion	696	Philips	640 641 766
Classic	695	Pioneer	665 718 719
Daewoo	657	Proscan	720
Denon	697 698 699 700	Qwestar	721 723
Emerson	658 701	RCA	627 650 666 690 742 749
Fisher	659	Sampo	724
Funai	658	Samsung	651 652 667 668 691 740
GE	702 703		741
Go Video	692 693	Sansui	725 754
GPX	704	Sanyo	643 726
Hitachi	632 635 660 705 706 707	Sharp	669 727 746
JVC	636 689 708 711	Sherwood	728
Kenwood	761	Sony	617 644 645 670 671 729 730
Konka	637 638 753		731 768
Koss	745	Sylvania	658 764
Lasonic	762	Teac	732
Magnavox	626 661 762	Technics	733
Memorex	709	Techwood	664
Mintek	710	Toshiba	616 646 647 672 735 736
Mitsubishi	629 767		750
NAD	701	Yamaha	737 738 739
Nakamichi	763	Zenith	648 673

TV/DVD COMBO CODES

Programming for combination equipment: Program the remote control in TV mode and then in VCR (or AUX - press 1 before entering the DVD code) mode.

Aiwa 751

Apex 757

Broksonic 752

Konka 753

Panasonic 734 765

RCA 749

Sansui 754

Sylvania 764

Toshiba 750

TV/VCR COMBO CODES

Programming for combination equipment: Program the remote control in TV mode and then in VCR mode.

Broksonic 748

Goldstar 747

Panasonic 747

Quasar 747

Samsung 755

Sylvania 756

Zenith 747

DVD/VCR COMBO CODES

Programming for combination equipment: Use VCR mode to control VCR and DVD functions; however, if programming in AUX mode, press 1 before entering the DVD/VCR code.

Go Video 692 693

JVC 689

RCA 690

Samsung 667 691

Sony 768

TROUBLESHOOTING

What's Happening	What's Wrong	What You Can Do
While doing remote control procedure, the remote control stops working.	<ul style="list-style-type: none"> If you don't press any button for 20 seconds in a programming sequence, the remote shuts off its programming function. 	Start over again.
You cannot find the key(s) shown on page C-1.	<ul style="list-style-type: none"> The keys have two sides. 	Turn the keys over until you find the correct key.
When you press a button on the remote control, the equipment doesn't do what you expect.	<ul style="list-style-type: none"> Maybe you didn't set the remote to the mode for the equipment you want to control. Maybe you're not pointing the remote control right at the TV (or other equipment). Maybe the remote control is missing batteries, maybe you put the batteries in the remote the wrong way, or maybe the batteries are weak or dead. Maybe you didn't set up the remote to control the equipment. 	<ul style="list-style-type: none"> Press the correct mode button to set the remote to the mode for the equipment you want to control. The remote control uses IR signals to control all equipment except for the receiver (when using UHF). IR signals travel <i>only</i> 40 feet or less, and <i>can't</i> go through walls or other solid objects. You <i>must</i> point the remote control right at the equipment, with <i>no</i> objects to block the signal path. If the batteries are missing or dead, put fresh AAA-size batteries in. If the remote has fresh batteries, check whether you put them in the right way. If you didn't, take them out and put them in the right way. Make sure you set up the remote to control all the equipment you want to use. See <i>Program the Remote to Control Your TV</i> on page C-4 and <i>Programming for Other Equipment</i> on page 4.
The receiver does things even though you didn't press any remote control buttons.	<ul style="list-style-type: none"> UHF signals from a neighbor's remote may be controlling your receiver. 	<ul style="list-style-type: none"> See <i>Avoiding Remote Conflicts</i> on page 9 for instructions to correct this problem.
Your picture is snowy (or blue or black).	<ul style="list-style-type: none"> You have accidentally changed the channel on your TV. 	<ul style="list-style-type: none"> Make sure your TV (and VCR, if connected) is tuned to the correct channel. Also try using the Recover button as described on page C-6.

What's Happening	What's Wrong	What You Can Do
Your remote control isn't working.	<ul style="list-style-type: none"> • The remote control is in the wrong mode. • You might be using the wrong remote control (TV1 or TV2). • Your batteries are worn out. • The remote control's A/B switch is in the wrong position 	<ul style="list-style-type: none"> • Make sure the remote control is in the correct mode. For example, if you want to use the satellite receiver, put the remote control in SAT mode. (see <i>Remote Control Modes</i> on page 1). • Make sure you are using the correct remote control (TV1 or TV2) for your locations (multi-room receivers only). • Change the batteries as described on page C-2. • Check the A/B switch setting as described on page 9. <p> For all receivers except for the DISH Player-DVR 942: leave the A/B switch in the A position.</p>
When you press the remote control Mute or Volume button, nothing happens.	<ul style="list-style-type: none"> • Maybe you have not set up the remote control. • Maybe you're trying to control TV volume but you set up the remote to control a tuner or amplifier in AUX mode. 	<ul style="list-style-type: none"> • See <i>Programming the Remote to Control Your TV</i> on page C-4 and <i>Programming for Other Equipment</i> on page 4. • Set up the remote to control <i>either</i> TV volume <i>or</i> tuner/amplifier volume, whichever you want. See page 6.
Your UHF Pro remote control does not work well from far away.	<ul style="list-style-type: none"> • You may be experiencing interference from objects near your receiver antenna. 	<ul style="list-style-type: none"> • Make sure the UHF antenna is connected to the receiver and not touching anything else. • Vary the tilt angle of the receiver's UHF antenna. Locate the UHF antenna tip away from other electronics equipment or metal surfaces, even if separated by wooden shelving. • Move the receiver to different locations. For best results, place the receiver as high as possible, above all other equipment in your entertainment center. • Place the UHF antenna outside the entertainment center by using a coaxial cable to connect it to the receiver. • Move any nearby off-air antenna away from the UHF remote antenna. Do not place an off-air antenna on your receiver.
Your PIP (Picture-In-Picture) button isn't working.	<ul style="list-style-type: none"> • Your receiver doesn't use PIP. • Your receiver isn't in Single Mode. 	<ul style="list-style-type: none"> • Upgrade to a DISH Player-DVR 942 or DISH Player-DVR 921. • Press the Mode button on the front panel of the DISH Player-DVR 942.

LIMITED WARRANTY



This *Limited Warranty* is a legal document. Keep it in a safe place. Remember to keep your *Sales Receipt* for warranty service. We will consider any items you return without a copy of the *Proof of Purchase* to be out of warranty.

This warranty extends *only* to the original user ("you," "your") of the DISH Network remote control and is *limited* to the purchase price of the remote control. EchoStar Technologies Corporation and its affiliated companies ("we," "our," "us") warrant this remote control against defects in materials or workmanship as follows.

For one year from the original date of purchase, if we find the remote control is defective subject to the limits of this warranty, we will replace the remote at no charge for parts or labor. We warrant any such work done against defects in materials or workmanship for the remaining part of the original warranty period.

This warranty *does not cover* installation of the DISH Network System; consumer instruction; physical set up or adjustment of any consumer electronic equipment; remote control batteries; signal reception problems; loss of use of the equipment; unused programming charges due to equipment malfunction; cosmetic damage; damage due to lightning, electrical or telephone line surges, fire, flood, or other acts of Nature; accident; misuse; abuse; repair or alteration by other than our factory service; negligence; commercial or institutional use; improper or neglected maintenance; equipment sold AS IS or WITH ALL FAULTS; equipment removal or reinstallation; shipping damage if the equipment was not packed and shipped in the manner we prescribe; nor equipment purchased, serviced, or operated outside the contiguous United States of America.

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS DEVICE, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS DEVICE. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS DEVICE NOT TO HAVE PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL OR CONDITIONAL ACCESS NUMBERS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE DEVICE HAS BEEN OPENED BY AN UNAUTHORIZED PERSON (with the exception of opening the battery cover).

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

ADVANCE EXCHANGE PROGRAM

The Advance Exchange Program allows you to have replacement equipment shipped immediately to you (depending upon where you live, it could take three to five business days). Along with replacement equipment, you will receive a prepaid shipping label and instructions on how to return the defective equipment.

The shipping charge, for receiving replacement equipment and returning the defective equipment, is a one time fee based on EchoStar's competitive bulk shipping rates (additional charges may apply outside of the continental US). This fee will be charged to your billing account or your valid credit card.

If you do not ship the defective equipment to EchoStar within ten days after receiving the replacement, your billing account or credit card will be charged the market price of the replacement. If you return the defective equipment after ten days, you will receive a full refund less an administrative fee.

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

POST RECEIPT EXCHANGE PROGRAM

You may choose to ship the equipment to us at your cost. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

The equipment you return will be checked to verify whether it is covered under this warranty. If the defective equipment is covered under this warranty, it will be replaced and shipped back to you at no additional cost (additional charges may apply outside of the continental US).

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

ACCESSORY WARRANTY

An accessory is any DISH Network branded equipment, displaying the DISH Network logo, excluding the receiver, Smart Card, cables and hookups, and non-mechanical components. A one-year warranty becomes effective upon the activation of the DISH system or date of purchase, if bought separately. A proof of purchase is required to verify the purchase date. If an accessory has an expired warranty, no exchange will be issued. You may purchase replacement accessories from DISH Network or your local retailer.

IF YOU NEED HELP

1. Review this *User Guide*.
2. See *Troubleshooting* on page 18.
3. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
 - a. If the representative finds you should return the remote control, you'll get a telephone number to call for a Return Authorization (RA) number. *Before shipping* any equipment to us, you *must* get a Return Authorization number.
 - b. You *must* package returned equipment the right way. Follow the instructions the representative gives you.
 - c. Write the RA number in large, clearly visible characters on the *outside* of the shipping box used to return the equipment.
To avoid confusion and misunderstandings, we will return shipments without an RA number clearly visible on the outside of the box to you at your cost.
 - d. We will:
 - Check the remote control, including whether it is covered under the warranty.
 - Replace any remote we find is defective with a new or refurbished remote, if the defective remote is covered under the warranty. We will ship the replacement remote at our expense.
 - If a defective remote is not covered under the warranty, we will tell you. We may assess you a flat rate charge for a replacement remote, including shipping and insurance.

REGULATORY FACTORS

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this device may void your authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

Reference Tables

Write down your remote address, channel numbers/inputs, TV, VCR, DVD player, and stereo equipment codes as you program them for future reference.

Remote Address



Channel or Input for Satellite Programming



Channel for Satellite Programming on TV2
(942 receivers only)



TV Code



1
(Optional)

If you enter a "1" as the last number of your code,
your remote is in Limited Mode (see page 3 for more details).



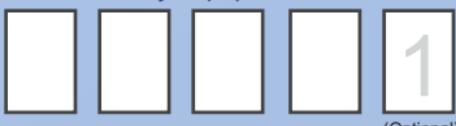
VCR/DVD Player Code



1
(Optional)



Auxiliary Equipment Code



1
(Optional)

To read out your remote codes, see page 10 for instructions.

For all your customer needs,
call the Customer Service Center
at 1-800-333-DISH(3474)



146384